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1990-035389

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TITLE:

Precision chuck for cylindrical

drills - employs twin

taper collets in conjunction with

hydro-plastic filler

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ABSTRACTED-PUB-NO: SU 1473906A

BASIC-ABSTRACT:

A collet chuck for cylindrical shank tools such as drills, reamers, end milling

cutters etc., has a collet (3) with two conical interfaces (4,5) interacting

with upper and lower taper rings (8,9) capable of axial displacement.

Inner channels in the housing are filled with an elastic medium, e.g.

hydroplastic, interacting via plungers with the taper rings to lock or disengage the collet in conjunction with an outer ring (13).

ADVANTAGE - This design increases the operational reliability of the chuck, its accuracy and self-locking. Bul.15/23.4.89

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: PRECISION CHUCK CYLINDER DRILL EMPLOY TWIN

TAPER COLLET

CONJUNCTION HYDRO PLASTIC FILL

DERWENT-CLASS: P54

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1990-027109